Vicente Barros was born in Buenos Aires, Argentina. He graduated in Master of Science in Meteorology at the University of Michigan, USA and of PHD in Meteorological Sciences at the University of Buenos Aires in 1973. He held research positions at the UNAM (Mexico) and at the Argentine Council of Sciences (CONICET) where is Senior Researcher since 1994. He was Professor of Climatology and Director of the Master Program of Environmental Sciences at the School of Sciences of the University of Buenos Aires. He is currently Emeritus Professor of this University.

Vicente Barros has published over 60 peer-reviewed papers, most of them on climate variability and trends on South America and on impacts of climate variability and climate change in the regional hydrology. He is also author of a book on climate change and co-editor of other three on related matters. In 1996, he directed the First National Communication of Argentina to the UNFCCC and made substantial contributions to the Second one in 2006.